

In the claims:

Please cancel Claims 8-9, 11-20, and 32-33.

Please amend Claims 1, 22 and 23 as follows:

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1. An isolated nucleic acid comprising a sequence selected from
- (a) a sequence according to nucleotide No. 372 to nucleotide No. 2681 of SEQ ID NO: 1, nucleotide No. 335 to nucleotide No. 1822 of SEQ ID NO: 3 and nucleotide No. 95 to nucleotide No. 1597 of SEQ ID NO: 5,
 - (b) a sequence hybridizing with any of the sequences defined under (a) in 2 x SSC at 60°C,
 - (c) a sequence complementary to the sequences defined under (a), and
 - (d) a sequence which, due to degeneracy of the genetic code, encodes the same amino acid sequences as those encoded by the sequences defined under (a),

wherein said nucleic acid encodes a complete or partial insect acetylcholine receptor subunit having the ability to form homooligomeric acetylcholine receptors when expressed in host cells.

22. The nucleic acid of Claim 1(b) which comprises a sequence that hybridizes with a sequence defined under (a) in 0.5 x SSC at 60°C.

23. The nucleic acid of Claim 1(b) which comprises the sequence that hybridizes with a sequence defined in (a) in 0.2 x SSC at 60°C.